KENWOOD

CASSETTE-RECEIVER

KRC-901
KRC-801

INSTRUCTION MANUAL

KENWOOD CORPORATION

Take the time to read through this instruction manual. Familiarity with installation and operation procedures will help you obtain the best performance from your new cassette-receiver.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your KENWOOD dealer for information or service on the product.

Model KRC-901/801 Serial number_____

© B64-0461-00 (KW) (MC)

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Before use

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Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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Safety precautions

⚠WARNING

Take the following precautions to prevent fire and avoid personal injury :

- When extending the ignition cable, battery cable, or ground cable, use 0.75mm² (AWG18) or larger automotive grade cable to avoid cable deterioration or damage to the covering.
- Check that no metal objects (coins, tools, etc.) are left inside the unit to avoid short circuits.
- If you smell or see smoke, turn the power off immediately and consult your Kenwood dealer.
- Do not get your fingers caught between the shutter and the guide frame.

⚠CAUTION

Take the following precautions to keep the unit in proper working order.

- Be sure the unit is connected to a 12V DC power supply with a negative ground connection.
- Do not open the top or bottom cover.
- Do not install the unit in places it is exposed to direct sunlight, high heat or humidity, water may splash over it, or dust exists.
- If you need to replace the fuse, make sure the new fuse is of the same type and rating. Using a fuse of a different type of rating may damage your unit. The fuse rating is normally shown on the fuse and fuse box.
- If you need to replace the fuse, unplug the wiring harness before replacing the fuse to prevent short circuits.
- Do not leave any foreign matters between the shutter and the guide frame.

FCC WARNING

- This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

IMPORTANT INFORMATION

This unit is NOT designed to be connected directly to a CD changer that was manufactured and sold before 1994. If you plan to use such units, please read the following information carefully.

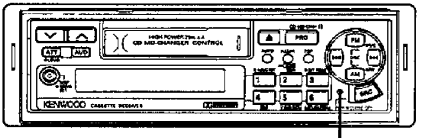
- **To control KDC-C200 / KDC-C300 / KDC-C400**
  A CA-DS100 (sold separately as an optional accessory), along with the control box and extension cord supplied with the CD changer, are required.
- **To control KDC-C301 / KDC-C600 / KDC-C800 / KDC-C601 / KDC-C401**
  A CA-DS100 (sold separately as an optional accessory), along with the extension cord supplied with the CD changer, are required.
- **KDC-C100 / KDC-C302 / C205 / C705 and CD changer Manufactured by Other Companies are not compatible with this Kenwood model.**

FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN DAMAGE TO THIS UNIT AND/OR THE CD CHANGER

Safety precautions

NOTE

- If you have difficulty in installing this unit in your vehicle, contact your Kenwood dealer.
- If it doesn't seem to be working properly, first press the Reset button. If the shutter is closed, push the projection at the lower left side of the guide frame. When the Reset button is pressed, the shutter open/close operation will begin and the unit will be initialized. If the malfunction persists, consult your Kenwood dealer.



Reset button

Cleaning the unit

- If the front panel is dirty, wipe it clean with a silicon cloth or soft dry cloth.

⚠CAUTION

Do not use hard cloths or paint thinner, alcohol, or other volatile solvents. These may damage external surfaces or remove indicator characters.

Cleaning the tape head

- As you play tapes for a long time, magnetic dust and other grime accumulates around the heads and eventually causes noise that lowers sound quality. To clean the heads, use a cleaning tape or cleaning kit. Make sure you purchase a cleaning tape or cleaning kit suited to car audio use.

Be careful with your tapes.

- Before loading a cassette, take up any slack tape, by turning one of the spools with a pencil. Loading a slack tape can cause tape to tangle around the capstan and pinch roller and other problems.
- Do not use any deformed cassettes or cassettes with labels coming off, or the unit may fail.
- Do not leave cassettes exposed to high heat (for example, on the dashboard where it is exposed to direct sunlight, or near heater outlets). This can deform the cassette shell.
- Avoid long cassettes, such as 120-minute tapes. The tape is thin and easily tangled around the pinch roller or other parts.
- If you do not listen to your tape, remove it from the unit and store it safely. If a cassette is left in for a long time, the tape can stick to the tape head, causing failure.

Features

■Tuner section

- **Auto seek tuning (Page 12)**
  Automatically searches for stations you can receive.
- **Station preset memory (Page 21)**
  Stores the frequencies of your favourite stations in memory. The frequencies stored in memory can be recalled by a single touch of a button.
- **Priority radio preset (Page 22)**
  This function enables you to tune to the preset station by a single touch of a button while you are listening to a cassette or disc. Since you can listen to a station without switching to the tuner mode, it is useful to listen your favourite station (such as news, traffic information).
- **CRSC (Clean Reception System Circuit) (Page 23)**
  When this feature is turned on, the tuner switches reception to mono to reduce multi-path noise if it occurs in the broadcast you are listening to.
- **Direct access tuning (Page 24)**
  This feature allows you to listen to the station of your choice immediately by inputting its frequency.
  (Remote control function)
- **Channel space selection (Page 25)**
  This feature allows you to change the frequency step between 200 kHz in FM/10 kHz in AM and 50 kHz in FM/9 kHz in AM.

■Cassette player section

- **Tape type selection (Page 17)**
  The Tape type selection function allows you to play normal tapes and metal (chrome) tapes.
- **DPSS (Direct Program Search System) (Page 26)**
  This function lets you select tracks up to nine positions before or after the one you are playing.
- **DPSS using numeric keys (Page 27)**
  This feature allows you to skip ahead or back a specified number of tracks by pressing the appropriate numeric keys. (Remote control function)
- **Index scan (Page 28)**
  When this function is turned on, the first part of each track on the tape is played in succession. This function is useful to search for the track you want to listen to.
- **Music repeat (Page 29)**
  When this function is turned on, the player plays the track you are listening to repeatedly.
- **Blank skip (Page 30)**
  When this feature is turned on, the player automatically fast forwards to the next track if it detects a long blank section.
- **Tuner call (Page 31)**
  When this function is turned on, you can listen to the radio while rewinding or fast forwarding a cassette.

Features

■Disc changer (optional) control section

- **Disc changer control (Page 32)**
  This unit has a Disc changer control function.
- **Track / Disc search (Page 33)**
  You can search for the track / disc you want by specifying the track / disc number.
- **Direct track/disc search (Page 34)**
  This feature allows you to enter the number of the track or disc you wish to hear by pressing the appropriate numeric keys.
  (Remote control function)
- **Track repeat (Page 35)**
  When this function is turned on, the track you are listening to is played repeatedly.
- **Disc repeat (Page 35)**
  When this function is turned on, the disc you are listening to is played repeatedly.
- **Track scan (Page 36)**
  When this function is turned on, the first part of each track on the disc you are listening to is played automatically to help you find the one you want.
- **Disc scan (Page 37)**
  When this function is turned on, the first part of each disc in the Disc changer is played automatically to help you find the one you want from the magazine loaded in the Disc changer.
- **Random play (Page 38)**
  When this function is turned on, the tracks on the disc you are listening to are played in random order.
- **Magazine random play (Page 39)**
  When this function is turned on, the tracks on the discs in your Disc changer are played in random order.
- **Disc name preset (Function of KDC-C803) (Page 40)**
  Up to 100 disc names can be stored in a Disc changer. When a disc the name of which is preset is played, its name is displayed automatically.

■General section

- **SRM (Stealth Retraction Mechanism) (Page 8)**
  The shutter opens or closes as the car's ignition is turned on or off, respectively. When the ignition is turned on, the shutter automatically retracts and the panel appears. When the ignition is turned off, the shutter closes to hide the panel as a camouflage to help prevent theft of the unit.

- **Remote control (Page 18)**
  This unit can be operated with the wireless remote control.
  There are also convenient features available only with the remote control. (KRC-901; accessory, KRC-801; optional)

- **Attenuator (Page 10)**
  This function allows you to lower the volume quickly. The fade-in function is provided to restore the original volume gradually.

- **Loudness control (Page 11)**
  When this function is turned on when the volume level is low, sound is made clear by emphasizing bass.

- **Audio controls (Page 42)**
  Adjust the bass, treble, balance, and fader.

- **Selectable illumination (Page 44)**
  Allows illumination colour to be switched between green and orange.

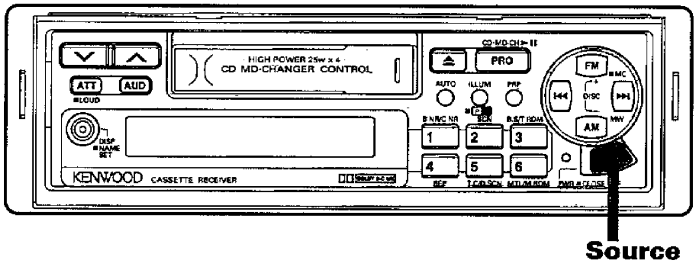
- **Selectable display type (Function of KRC-901) (Page 44)**
  Allows the display type to change between negative and positive.

- **Clock display (Page 45)**
  The time can be displayed.

- **Automatic dimmer control**
  When the dimmer cable is connected, automatically dims the display when the car's light control is turned on.

- **Valet (Page 46)**
  The unit cannot be turned on until this function is turned off, to prevent tampering with the unit when you trust your car to the charge of another person.

Power (Stealth Retraction Mechanism)

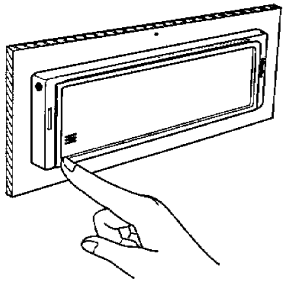


Power on to expose the panel

Turn the car's ignition on
The shutter opens and the panel appears.

NOTE

- If you use the unit for the first time or if you have pressed the Reset button, the projecting at the lower left side of the guide frame must be pushed to open the shutter. When you turn the ignition on the next time, the shutter opens automatically.
- If the shutter hits any object while it is opening, an alarm sounds and the shutter closes. In such a case remove the obstacle and re-push the projection at the lower left side of the guide frame. The shutter will open and the power will turn on.



⚠CAUTION

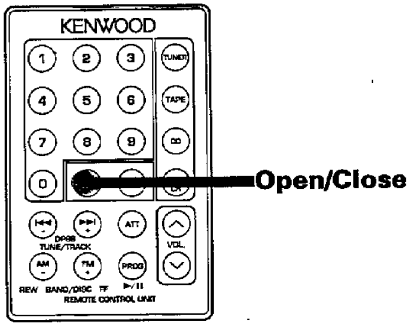
The console lid must be kept open while the shutter is opening or closing. Do not press the shutter or guide frame down. Otherwise, the unit may not work properly.

Power off to hide the panel

Turn the car's ignition off, and the shutter will close and hide the panel.

NOTE

If the shutter hits any object while it is closing, an alarm sounds and the shutter opens. Remove the obstacle, and turn the ignition on and off again. The panel will be closed.



To hide the panel with the ignition on (forced shutter-closing)

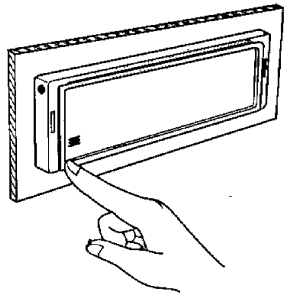
Press the Source button for more than a second,
or press the Open/Close button on the remote controller.
The power will turn off and the panel will be hidden.
When the Source button is pressed for more than one second, a beep is heard for five seconds and the shutter closes. You can cancel the closing action by pressing the Source button again while a beep is heard.

NOTE

If the shutter hits any object while it is closing, an alarm sounds and the shutter opens. Remove the obstacle, press the Source button, and turn the power on. Then press the Source button again for more than a second or press the Open/close button on the remote controller. The panel will be closed.

To cancel forced shutter-closing

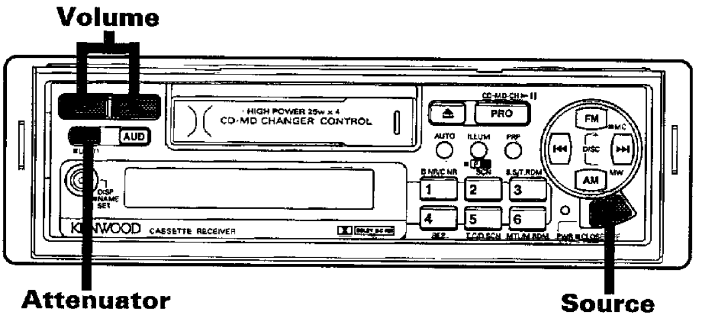
Push the projection at the lower left side of the guide frame,
or press the Open/Close button on the remote controller.
The shutter will open and the panel will appear.



NOTE

To cancel forced shutter closing by pression the Open/close button on the remote controller, perform the operation closer to the projection at the lower left side of the guide frame.

Volume/Attenuator

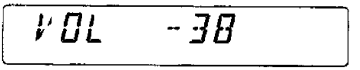


To stop all the functions with the power on

Press the Source button to select All off mode.
When "OFF" is displayed, you are in All off mode. You can stop all the function with the power on.

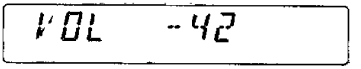
To increase the volume

Press the Audio up button.



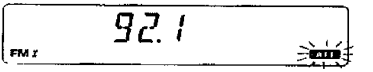
To decrease the volume

Press the Audio down button.



To use the Attenuator function

Press the Attenuator button.
The Attenuator indicator will appear on the display and Attenuator function will turn on.

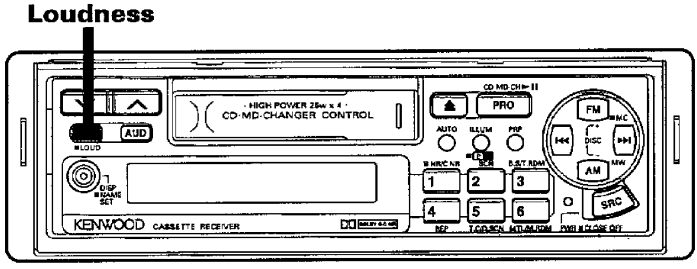


ON

To cancel the Attenuator function

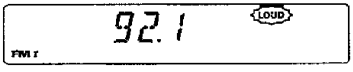
Press the Attenuator button or set the volume to minimum.
The Attenuator indicator disappears and the Attenuator function is cancelled.

Loudness



To use loudness control

Press the Loudness button for more than a second.
Loudness is turned on and the Loudness indicator appears on the display. This function is factory-set to ON.

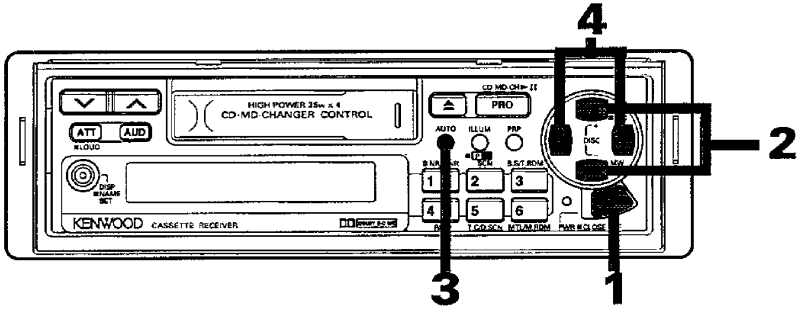


ON

To cancel loudness control

Press the Loudness button for more than a second.
Loudness is turned off and the Loudness indicator disappears.

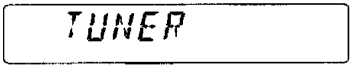
Auto seek tuning



1 Listen to the radio

Press the Source button to select Tuner mode.

When "TUNER" is displayed, you are in Tuner mode.



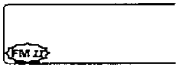
2 To select a band

Press the FM/AM button.

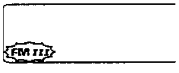
Each time you press the FM button briefly, the band changes between FM1, FM2, and FM3.

Press the AM button to choose AM band.

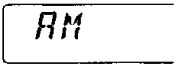
FM1



FM2



FM3

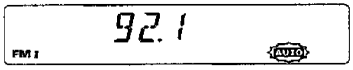


AM

3 To select Auto seek tuning mode

Press the Auto button.

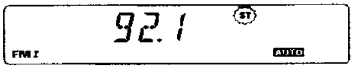
The Auto indicator will appear on the display and Auto seek tuning will turn on. This function is factory-set to ON.



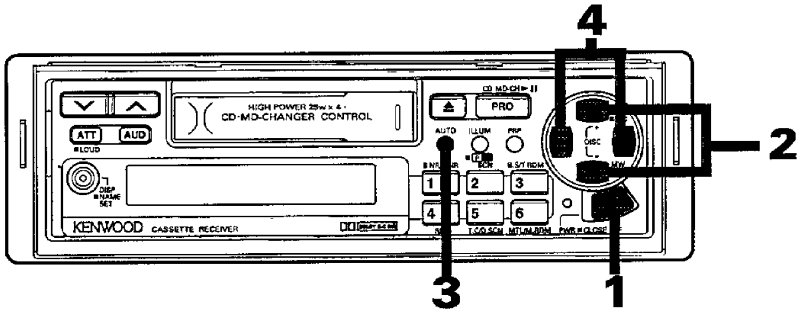
4 To tune

Press the Tuning up/down button.

When the Tuning up button is pressed, up seeking is performed. When the Tuning down button is pressed, down seeking is performed. The Stereo indicator appears on the display when stereo broadcasts are received.



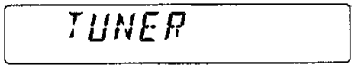
Manual tuning



1 Listen to the radio

Press the Source button to select Tuner mode.

When "TUNER" is displayed, you are in Tuner mode.



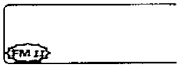
2 To select a band

Press the FM/AM button.

Each time you press the FM button briefly, the band changes between FM1, FM2, and FM3.

Press the AM button to choose AM band.

FM1



FM2

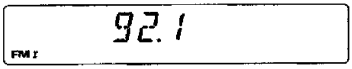
FM3

AM

3 To select Manual tuning mode

Press the Auto button.

The Auto indicator disappears and the Auto seek tuning is cancelled.

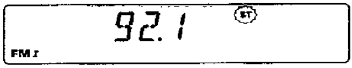


4 To tune

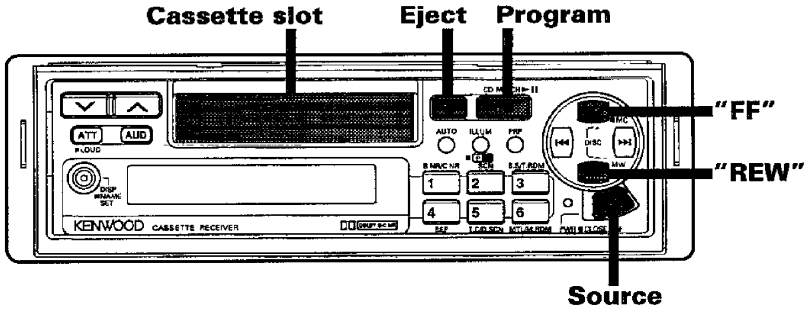
Press the Tuning up/down button.

When you press the button once, the received frequency changes by one step. The frequency will continue to change as long as you hold the button down.

The Stereo indicator appears on the display when stereo broadcasts are received.

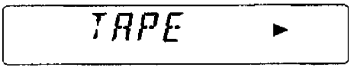


Cassette tape play



To play a cassette

Insert a cassette with the tape aperture on the right.
If there is a tape in the unit, press the Source button to select Tape mode.
The word "TAPE" will be displayed, and playback will start.



When the cassette is loaded into the unit, it is automatically set in the tape position.

NOTE

When you insert the cassette with side A up, one of the following indicators appears or blinks on the display to indicate the tape operation.

Indicator	Tape side playing/status
▶	Side A
◀	Side B
◀▶	The tape is stopped. The player is in another mode.
▶ (blinking)	Fast forwarding
◀▶ (blinking)	Rewinding

⚠CAUTION

If you do not listen to your tape, remove it from the unit and store it safely. If a cassette is left in for a long time, the tape can stick to the tape head, causing failure.

To stop and eject

Press the Eject button.
The tape playing stops and the player ejects the cassette.

To fast forward/rewind

Press the "FF" or "REW" button.
When you press the "FF" button, the tape is fast forwarded. When you press the "REW" button, the tape is rewound.
The Operation indicator blinks.

To cancel fast forward/rewind

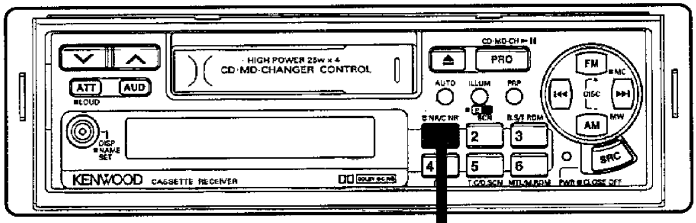
Press the Program button.
The fast forward/rewind is cancelled and the tape playing begins.

To switch sides

Press the Program button.
The player will play the reverse side.

Dolby B/C NR

Function of the KRC-901



To use Dolby B NR

Press the Dolby NR button once.
When Dolby C NR is on, press the Dolby NR button twice.
The Dolby B NR indicator will appear on the display and Dolby B NR will turn on.

Dolby B NR ON

To use Dolby C NR

Press the Dolby NR button twice.
When Dolby B NR is on, press the Dolby NR button once.
The Dolby C NR indicator will appear on the display and Dolby C NR will turn on.

Dolby C NR ON

To cancel Dolby B NR

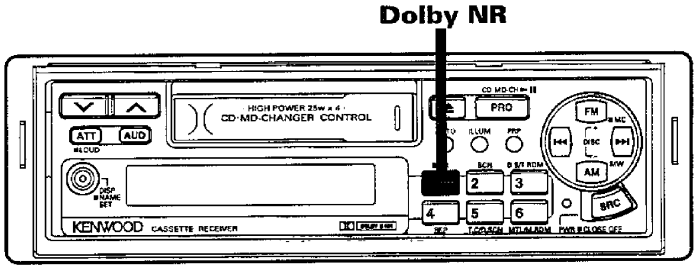
Press the Dolby NR button twice.
The Dolby B NR indicator will disappear and Dolby B NR will turn off.

To cancel Dolby C NR

Press the Dolby NR button once.
The Dolby C NR indicator will disappear and Dolby C NR will turn off.

Dolby B NR

Function of the KRC-801



To use Dolby B NR

Press the Dolby NR button.
The Dolby B NR indicator will appear on the display and Dolby B NR will turn on.

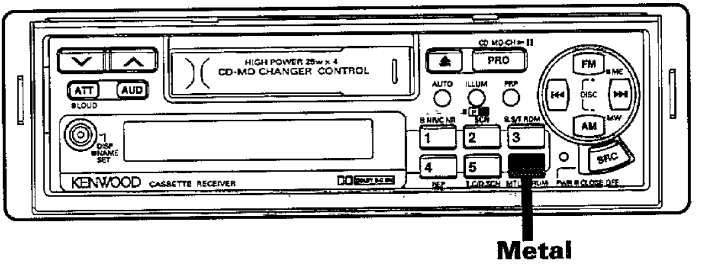
ON

To cancel Dolby B NR

Press the Dolby NR button.
The Dolby B NR indicator will disappear and Dolby B NR will turn off.

Basic operations

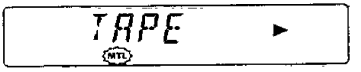
Tape type selection



To listen to metal/chrome tapes

Press the Metal button.

The Metal indicator will appear on the display and the unit will be set to the metal/chrome tape position.

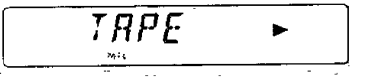


Metal/chrome tape position

To listen to normal tapes

Press the Metal button.

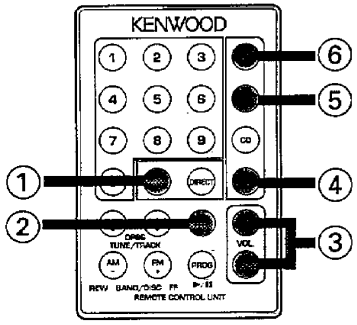
The Metal indicator will disappear and the unit will be set to the normal tape position. The unit is factory-set to the normal tape position.



Normal tape position

Basic operations of remote control

All modes



①Open/Close button
Each time the Open/Close button is pressed, the shutter opens or closes.

②Attenuator button
Lowers volume immediately.
To restore previous level, press this button again or set the volume to minimum.

③Volume button
The ∧ button increases the volume.
The ∨ button decreases the volume.

④Disc changer button
Selects Disc changer mode.

⑤Tape button
Selects Tape mode.

⑥Tuner button
Each press of this button switches between the tuner mode and the All off mode.

Replacing the battery

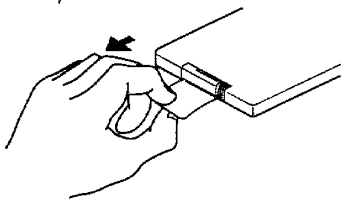
- Use one lithium battery (CR2025).
- Insert the battery according to the illustration inside the battery case, taking care not to reverse the + and - polarity.
- This battery life is about 6 months, depending on operating conditions. When it expires, replace it.

⚠WARNING

- Store the lithium battery outside the reach of children. In case a person swallows a lithium battery, immediately call the doctor.

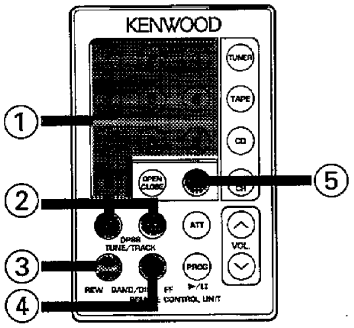
NOTE

- Before using the remote controller for the first time, pull out the film from the battery case.



(option of the KRC-801)

Tuner mode



①Numeric keys
Numeric keys 1 to 6 are used to recall preset stations.
Enter the frequency of the station during Direct access tuning.

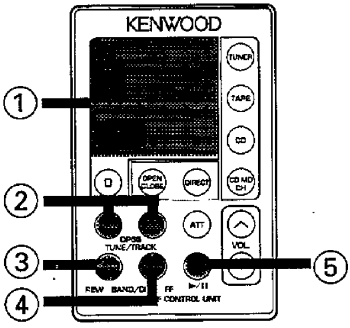
②Tuning button
The ⏮ button decreases the frequency.
The ⏭ button increases the frequency.

③AM button
Press the AM button to choose AM mode.

④FM button
Each time you briefly press the FM button, the band changes between FM1, FM2, and FM3.

⑤Direct button
Press the Direct button to select Direct access tuning mode.

Tape mode



①Numeric keys
Enter the number of tracks to be skipped for DPSS using the numeric keys.

②DPSS button
The ⏮ button skips back a specified number of tracks.
The ⏭ button skips ahead a specified number of tracks.

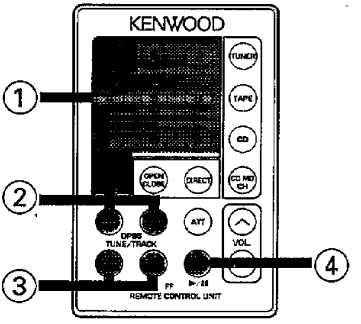
③Rewind button
Rewinds the tape.

④Fast forward button
Fast forwards the tape.

⑤PROG button
Plays the reverse side of tape.
When you press this button during fast forwarding or rewinding, it stops and tape play starts.

Basic operations of remote control

Disc changer mode



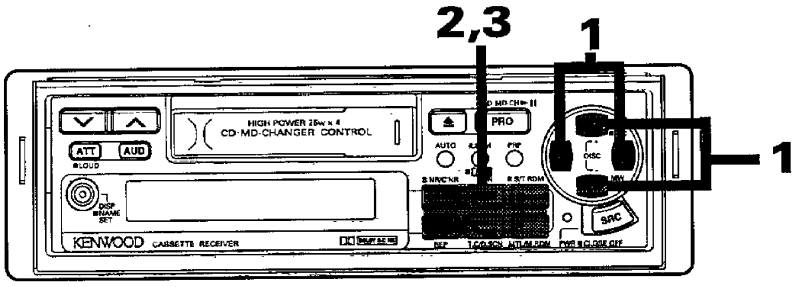
①**Numeric keys**
Use numeric keys to specify the track or disc number during direct track or disc search.

②**Track search button**
Press the ⏮ button to find a previous track.
Press the ⏭ button to find a subsequent track.

③**Disc search button**
Press the - button to find a previous disc.
Press the + button to find a subsequent disc.

④**▶/⏸ button**
Plays/pauses disc play.

Station preset memory



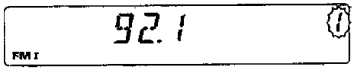
1

Select the band and station (frequency) you want to preset.

2 To preset

Press the Preset station button (1 to 6) you want to use for more than two seconds.

When the station identity is stored in memory, the button number indicator blinks once.



You can preset each button for one station each from the FM1, FM2, FM3, and AM bands.

NOTE

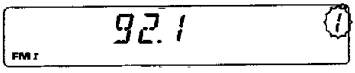
To change preset frequencies

Tune in a station you want to preset and press the Preset station button you want to change for more than two seconds.

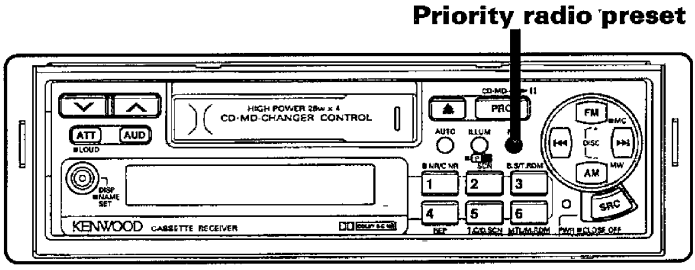
3 To recall a preset station

Briefly press the Preset station button (1 to 6) you want.

The number of the button that you pressed will be displayed, and the preset station will be recalled.

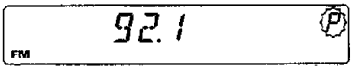


Priority radio preset



To recall preset stations

Press the Priority radio preset button.
The Priority radio preset indicator appears on the display and the preset station is recalled.



ON

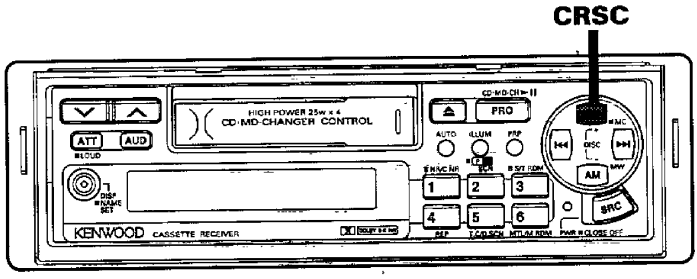
To return to the original mode

Press the Priority radio preset button.
The Priority radio preset indicator disappears and the original mode returns.

To change the station to be recalled

Tune to the station you want in the Priority radio preset mode.
Only Auto seek tuning and Manual tuning can be performed in the Priority radio preset mode. Tune to the desired station by Auto seek tuning or Manual tuning.
The station you are tuned to is automatically preset, and will be recalled subsequently.

CRSC



To turn CRSC on

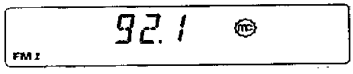
Press the MC button for more than a second.
The mc indicator disappears on the display and the CRSC function will turn on. This function is factory-set to ON.

NOTE

If FM sound is unstable:
With CRSC function on, strong electrical field (from power lines, for instance) may make the sound level fluctuate. If this happens, try turning CRSC off.

To cancel the CRSC

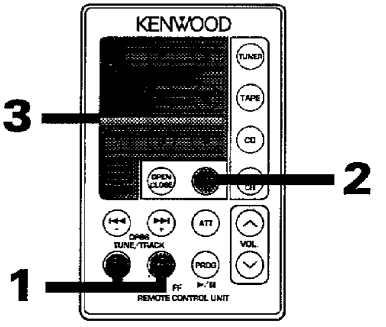
Press the MC button for more than a second.
The mc indicator will appear on the display and the CRSC function is cancelled.



OFF

Direct access tuning

Function of the Remote control

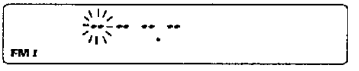


1

Select the band you want.

2

Press the Direct button.
The frequency display blinks for 10 seconds.



3

Enter the frequency you want while the frequency display is blinking.

For example:
- To tune to 92.1 MHz FM;
  Press 9, 2, and 1.
- To tune to 530 kHz AM;
  Press 5, 3, and 0.

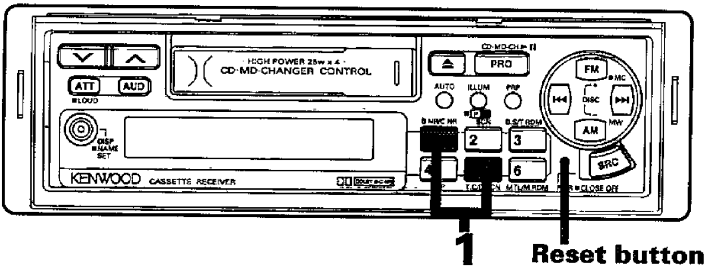
NOTE

The tuner receives the frequency you entered.
You cannot enter frequencies your tuner cannot receive in each band.
Frequencies that can be input.
Frequencies for FM broadcasting can be input in 0.1MHz units. They cannot be specified in 0.01MHz units.

To cancel

To cancel in the middle, press the Direct button.
The Direct access tuning function is cancelled and the frequency display stops blinking.

Channel space selection



1

Hold down preset station buttons "1" and "5" and press the reset button.
The frequency step is 50 kHz in FM and 9 kHz in AM.

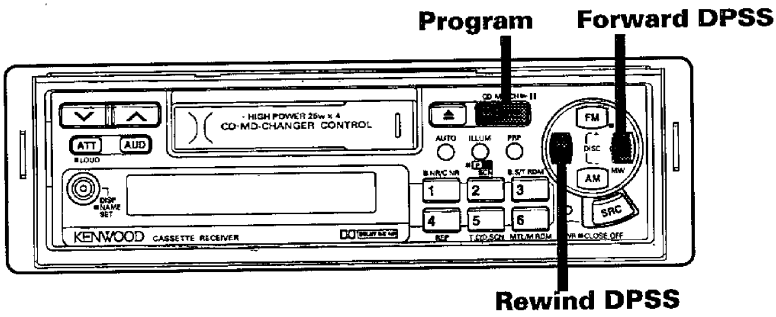
NOTE

- When the frequency step is changed, all the contents of memory become the initial values.
- This operation is not needed when the unit is used in the United States or Canada. If it is used in any other country, the operation must be carried out so as to set the frequency to 50 kHz on FM and 9 kHz on AM.

To return to the original frequency step

Press the reset button.
The frequency step returns to its original value.

DPSS



Rewind DPSS

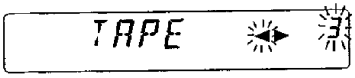
Briefly press the Rewind DPSS button.

Each time you press this button, the number of tracks to be skipped increases. The number of tracks you skip will be displayed.

You can skip up to nine tracks. The tape is rewound to the specified track and playback starts.

For example:

- To skip three tracks back;
  Press the button four times.



NOTE

- If you press the Rewind DPSS button within three seconds after a track starts playing, the previous track will be counted as the current track (0 track).
- This function detects the beginning of a track by detecting the blank space between tracks. If the blank space between tracks is less than four seconds, or the volume is low for more than four seconds, the function will not operate correctly.

Forward DPSS

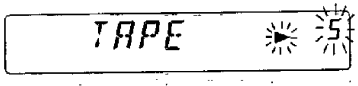
Briefly press the Forward DPSS button.

Each time you press this button, the number of tracks to be skipped increases. The number of tracks you skip will be displayed.

You can skip up to nine tracks. The tape is fast-forwarded to the specified track and playback starts.

For example:

- To skip five tracks ahead;
  Press the button five times.



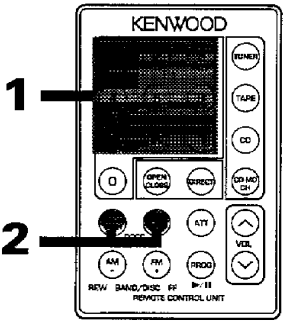
To cancel

To cancel DPSS in the middle, press the Program button.

The DPSS is cancelled and playback starts.

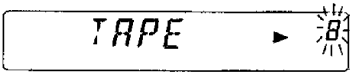
DPSS using numeric keys

Function of the Remote control



1

Enter the number of tracks you want to skip.
Press the numeric key corresponding to the number of tracks you want to skip.
You can skip up to nine tracks.
The number blinks for 10 seconds .



2

Rewind DPSS

Press the ⏮ button while the number is blinking.
The tape is rewound and when the number of tracks specified in step 1 are skipped, playback starts.

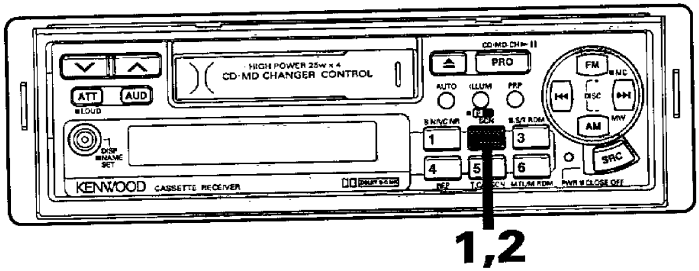
Forward DPSS

Press the ⏭ button while the number is blinking.
The tape is fast-forwarded and when the number of tracks specified in step 1 are skipped, playback starts.

NOTE

- If you press the ⏮ button within three seconds after a track starts playing, the previous track will be counted as the current track (0 track).
- This function detects the beginning of a track by detecting the blank space between tracks. If the blank space between tracks is less than four seconds, or the volume is low for more than four seconds, the function will not operate correctly.

Index scan

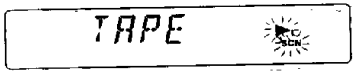


Cassette player features

1 To start Index scan

Press the Scan button.

The Scan indicator blinks.The player plays the first part of each track recorded on the tape.

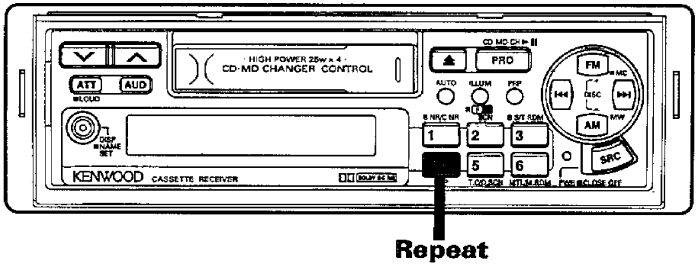


2 When you hear the track you want

Press the Scan button or Program button.

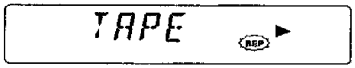
Index scan is cancelled, and normal playback starts.

Music repeat



To turn the Music repeat function on

Press the Repeat button to repeat the track you are listening to.
The Repeat indicator will appear on the display and the Music repeat function will turn on.



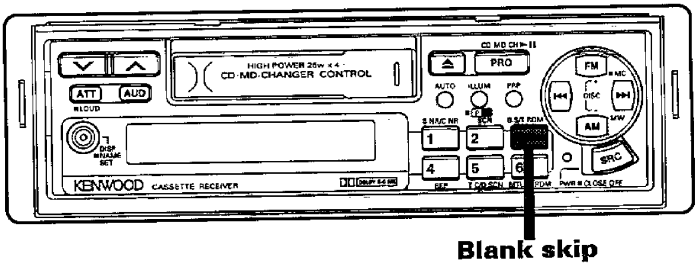
ON

When the player reaches the end of the track, it will automatically rewind the tape and play the track again.

To cancel

Press the Repeat button or Program button.
The Repeat indicator disappears and the Music repeat function is cancelled.

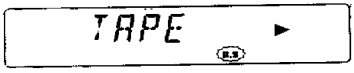
Blank skip



Cassette player features

To turn the Blank skip function on

Press the Blank skip button.
The Blank skip indicator will appear on the display and the Blank skip function will turn on.
This function is factory-set to ON.



ON

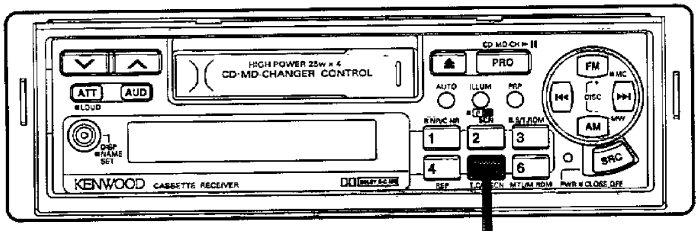
NOTE

If the player encounters more than 10 seconds without sound, it will automatically fast forward to the start of the next track.
If the recording level is very low for a long time, the player may regard it as a blank and fast forward. In this case, turn the Blank skip function off.

To cancel

Press the Blank skip button.
The Blank skip indicator disappears and the Blank skip function is cancelled.

Tuner call



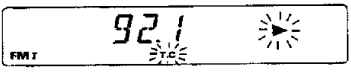
Tuner call

To turn the Tuner call function on

Press the Tuner call button.
The Tuner call indicator will appear on the display and the Tuner call function will turn on.

ON

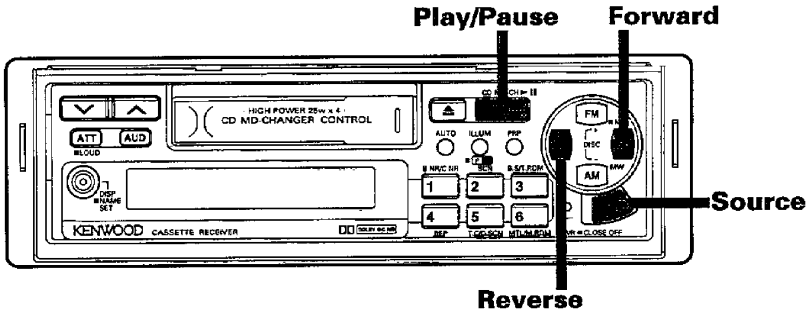
The radio turns on automatically during fast forwarding or rewinding.



To cancel

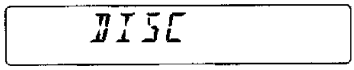
Press the Tuner call button.
The Tuner call indicator disappears and the Tuner call function is cancelled.

Disc play with Disc changer

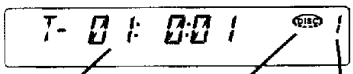


To play discs

Press the Source button to select Disc changer mode.
If you see DISC display, you are in Disc changer mode.



The Disc indicator will appear on the display and disc play will begin.



Track No. display | Disc indicator | Disc No. display

When the player reaches the end of the last track on the disc you are playing, it will shift automatically to the first track on the next disc. When the player plays the last disc, it will return to the first disc.
When you change the discs in the auto changer, "LOAD" is displayed.
Disc No. 10 is displayed as "0".
If an MD changer is used, the disc title and track title (the first eight characters) can be displayed. (See Page 45.)

To fast forward

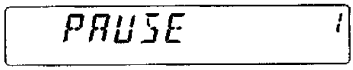
Hold down the Forward button.

To reverse

Hold down the Reverse button.

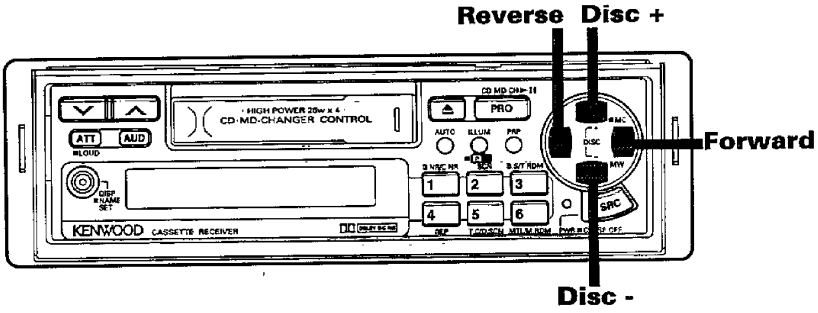
To pause

Press the Play/Pause button.
The Pause will display and disc play stops.



When you press the Play/Pause button again, play restarts.

Track/Disc search



Reverse track search

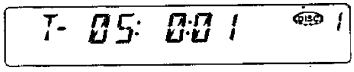
Briefly press the Reverse button.
When you press this button once, the player returns to the start of the track you are listening to. Each time you press the button, the track number on the display decreases. The player plays the track with the track number shown on the display.

NOTE

If you try reverse track search while playing track 1, the player will resume play at the start of track 1; it does not search for the last track.

Forward track search

Briefly press the Forward button.
Each time you press this button, the track number on the display increases. The player plays the track with the track number shown on the display.

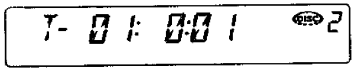


NOTE

If you try forward track search while playing the last track on a disc, the Forward track search function does not work.

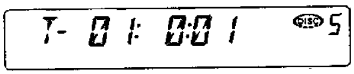
Reverse disc search

Press the Disc - button.
Each time you press this button, the disc number on the display decreases. The player plays the disc with the disc number shown on the display.



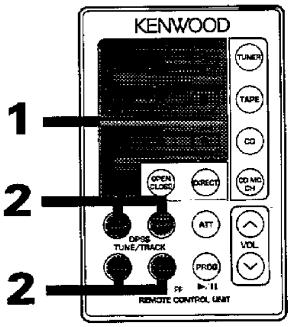
Forward disc search

Press the Disc + button.
Each time you press this button, the disc number on the display increases. The player plays the disc with the disc number shown on the display.



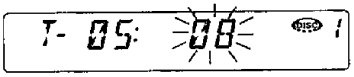
Direct track/disc search

Function of the Remote control



1

Enter the number of track or disc you want to listen to.
The input number blinks for 10 seconds.



NOTE

To search for disc 10 directly, enter "0".

2

Direct track search

Press the ⏮ or ⏭ button while the number is blinking.
The player starts playing the track specified in step 1.

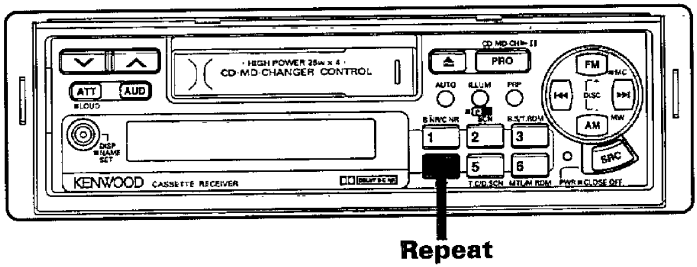
Direct disc search

Press the - or + button while the number is blinking.
The player starts playing the disc specified in step 1.

To cancel

To cancel search in the middle, press the ▶/❚❚ button.
The Direct track/disc search is cancelled and the normal display returns.

Track/Disc repeat



To start Track repeat

Press the Repeat button once.
When Disc repeat is on, press the button twice.
The Repeat indicator will appear on the display and the Track repeat function will turn on.
The same track is played repeatedly.

ON

To cancel Track repeat

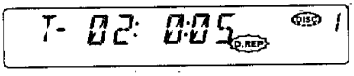
Press the Repeat button twice.
The Repeat indicator disappears and the Track repeat function is cancelled.

NOTE

When disc play stops, Track repeat is cancelled.

To start Disc repeat

Press the Repeat button twice.
When Track repeat is on, press the button once.
The Disc repeat indicator will appear on the display and the Disc repeat function will turn on.
The same disc is played repeatedly.



ON

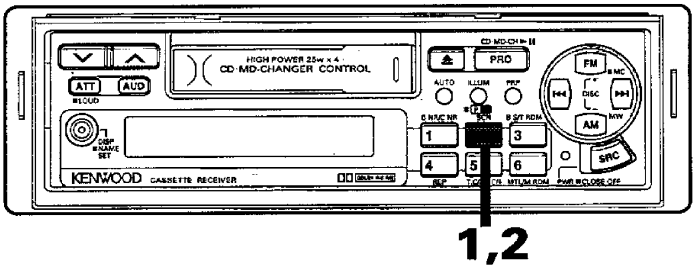
To cancel Disc repeat

Press the Repeat button once.
The Disc repeat indicator disappears and the Disc repeat function is cancelled.

NOTE

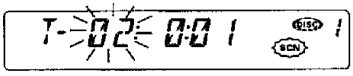
When disc play stops, Disc repeat is cancelled.

Track scan



1

Press the Track scan button.
The Track scan indicator will appear on the display and the player will play the first 10 seconds of each track in succession. The track number blinks on the display.



2 To select a track

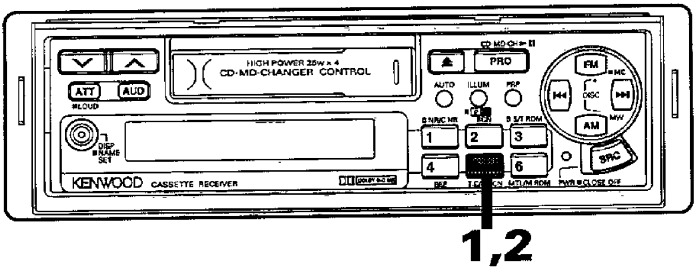
Press the Track scan button.
The Track scan indicator disappears and the Track scan is cancelled. Normal playback starts.

NOTE

- When disc play stops, Track scan is cancelled.
- When all tracks on the disc you are listening to are scanned, Track scan is cancelled.

Disc changer control features

Disc scan



1

Press the Disc scan button.
The Disc scan indicator will appear on the display and the player will play the first 10 seconds from each disc in succession.

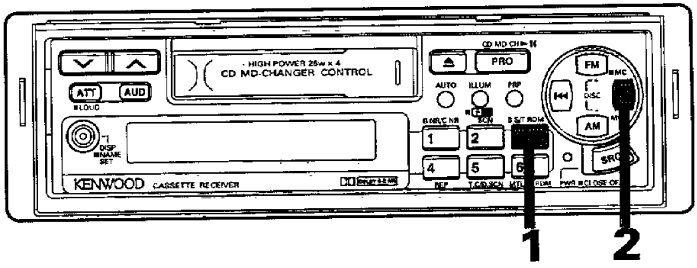
2 To select a disc

Press the Disc scan button.
The Disc scan indicator disappears and the Disc scan is cancelled. Normal playback starts.

NOTE

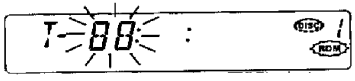
- When disc play stops, Disc scan is cancelled.
- When all discs in the magazine you are listening to are scanned, Disc scan is cancelled.

Random play



1

Press the Random button.
The Random indicator will appear on the display and the player will randomly select another track from the disc you are playing. The track numbers on the display will change continuously during track selection. When a track is selected, playback will begin automatically.



ON

NOTE

When all the tracks on a disc have been played, the player will randomly select the next disc.

2 To select another track

Press the ▶▶| button.
The player will randomly choose another track.

To cancel

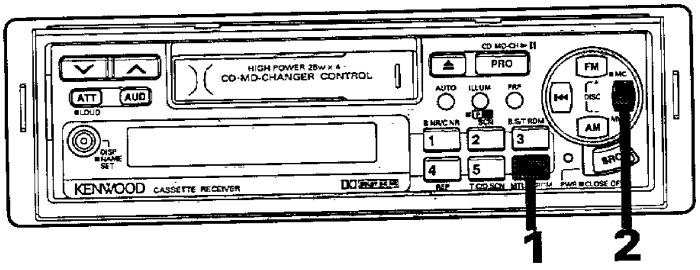
Press the Random button.
The Random indicator disappears and Random play is cancelled. Normal disc play starts.

NOTE

When the disc play stops, the Random play function is cancelled.

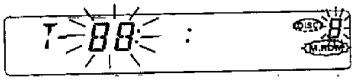
Disc changer control features

Magazine random play



1

Press the Magazine random button.
The Magazine random play indicator will appear on the display and the track select will start. The track/disc numbers on the display will change continuously during track selection. When a track is selected, playback will begin automatically.



ON

NOTE

The Magazine random play is not available if you use the KDC-C200/C300/C400/C301/C401.

2 To select another track

Press the ▶▶| button.
The player will randomly choose another track.

To cancel

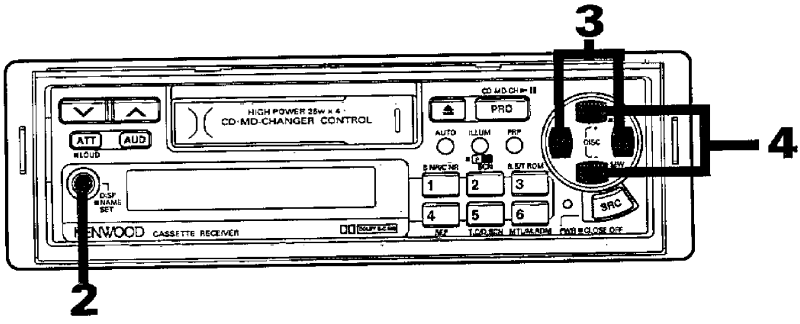
Press the Magazine random button.
The Magazine random indicator disappears and Magazine random play is cancelled. Normal disc play starts.

NOTE

- When disc play stops, the Magazine random play function is cancelled.
- The Magazine random selection time changes according to the number of discs in the magazine.

Disc name preset

Function of the KDC-C803



1

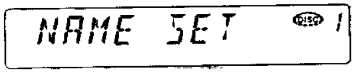
Play the disc the name of which is to be preset.

NOTE

This function can be used when the KDC-C803 is connected to the Disc auto changer.

2

Press the Name set button for more than two seconds.



NAME SET is displayed and the Disc name preset mode is entered.
The cursor blinks at the position where the name can be input.

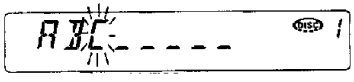
3

Press the ⏮ or ⏭ button to move the blinking cursor to the character input position.
Press the ⏮ button to move the cursor to the left, and press the ⏭ button to move it to the right.

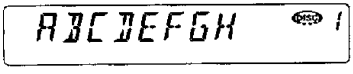
Disc changer control features

4

Press the DISC+ or DISC- button to position the cursor at the desired character.



Repeat steps 3 and 4 to enter the complete disc name to be displayed.



NOTE

- You can select up to eight characters.
- You can display A to Z, 0 to 9, [,], /, +, -, *, =, <, and >.

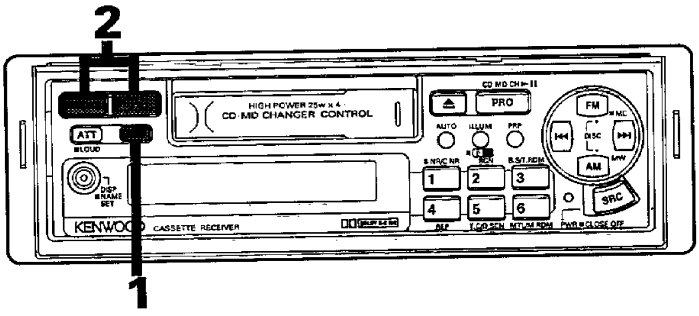
To cancel

Press the Name set button.
The Disc-name preset mode is terminated and the disc name is set. If you do nothing else for 10 seconds, the input characters are automatically put into memory and the mode is cancelled.

NOTE

- You can store up to 100 disc names in a disc changer. If you preset the 101st disc name, the first preset disc name is automatically erased.
- Discs are identified by the total recording-time and the number of tracks. Discs with the same recording time and the same number of tracks cannot be distinguished from each other.
- To change the disc name, perform steps 1 and 2 to display the current disc name, and then perform steps 3 and 4.
- The disc names stored in the Disc changer are not erased by pressing the Reset button.

Audio controls



1 To select the control mode

Press the Audio button.

Each time you press this button, the adjustment mode changes as follows: Bass -> Treble -> Balance -> Fader -> Volume. If you do not perform the next operation within five seconds, the Volume adjustment mode (normal mode) will return.

NOTE

Source tone memory

This unit allows the Tone (Bass and Treble) control to be set independently for each source mode (Tape, FM, AM, and disc). The tone set in Tape mode is recalled automatically when you select Tape, and the tone set in FM mode is recalled automatically when you select FM.

2 To adjust each mode

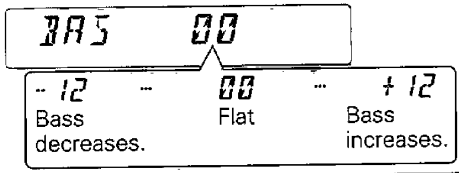
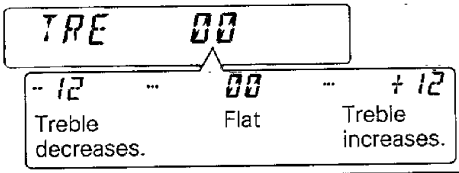
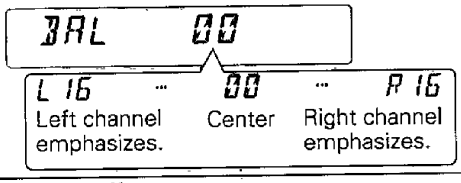
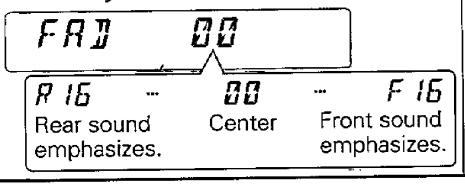
Press the Audio control button.

Adjust each mode according to the table.

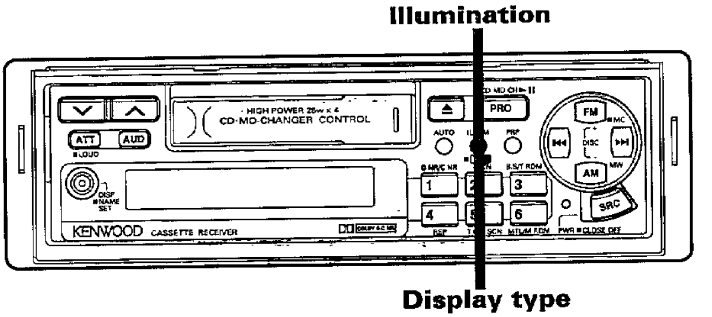
To cancel

Press the Audio button for more than one second.

The Volume adjustment mode will return.

Display	Operation of Audio control button	
	Audio down button	Audio up button
Bass adjustment 	Bass decreases.	Bass increases.
Treble adjustment 	Treble decreases.	Treble increases.
Balance adjustment 	Left channel emphasizes.	Right channel emphasizes.
Fader adjustment 	Rear sound emphasizes.	Front sound emphasizes.

Selectable illumination/display type



To change illumination color

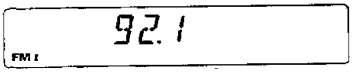
Briefly press the Illumination button.
Each time you press this button, the illumination will change from green to orange or vice versa.

Function of the KRC-901

To change the display type

Press the P/N button for more than one second.
Each time you press this button, the display type will change from negative to positive or vice versa.

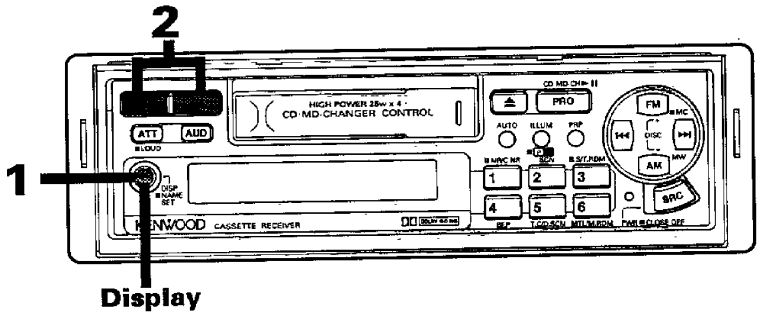
Negative type



Positive type

General features

Clock display/setting



To recall clock display

Press the Display button.
The display changes as listed in the table.

Mode	Displays
Tuner	Frequency ↔ Clock
Tape	"TAPE" ↔ Clock
CD changer	Disc No./Track No./Track time → Clock →
CD changer (KDC-C803)	Disc No./Track No./Track time → Disc name → Clock →
MD changer	Disc No./Track No./Track time → Disc title → Track title → Clock →
All off	"OFF" ↔ Clock

Disc name : Disc name stored in memory by Disc name presetting.
Disc title : Disc title recorded on MD.
Track title : Track title recorded on MD.

NOTE

When using the KDC-C803
If you try to display the disc name while you are listening to a disc the name of which is not preset, "NO NAME" is displayed.

To set the clock

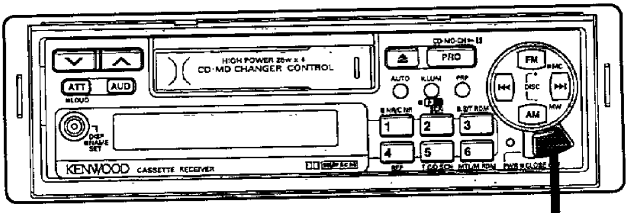
1

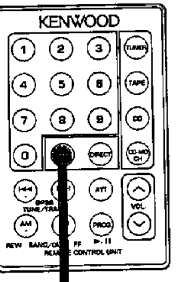
If the time is not displayed, press the Display button.
The time is displayed.

2

Hold down the Display button, and press the ∧/∨ button.
Press the ∨ button to adjust the hour and the ∧ button to adjust the minutes.

Valet





1

Set the car security system's Valet switch to the Valet position.

NOTE

To use this function, the Valet cable of the unit must be connected to the Valet switch of the car security system.

2

Turn the car's ignition on or press the Source button for more than one second
or press the Open/Close button on the remote controller.
The panel will be hidden and the Valet function will turn on.
The unit cannot be turned on after that.

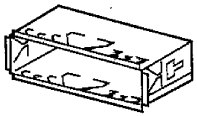
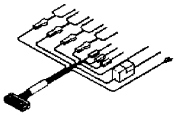
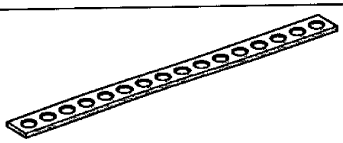
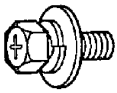
NOTE

The Valet function can be turned on by carrying out step 2, then step 1.

To cancel the Valet function

Press the Valet switch on the car security system to cancel the Valet function.
The Valet function is cancelled and the unit can be turned on as usual.

Accessories

Part name	External view	Number of items
Mounting sleeve		1
Wiring harness		1
Metal mounting strap		1
Removal tool		2
Screw with washer (M4 × 8)		1
Machine screw (M5 × 6)		2
Flat screw (M5 × 6)		2
Panel spacer		2

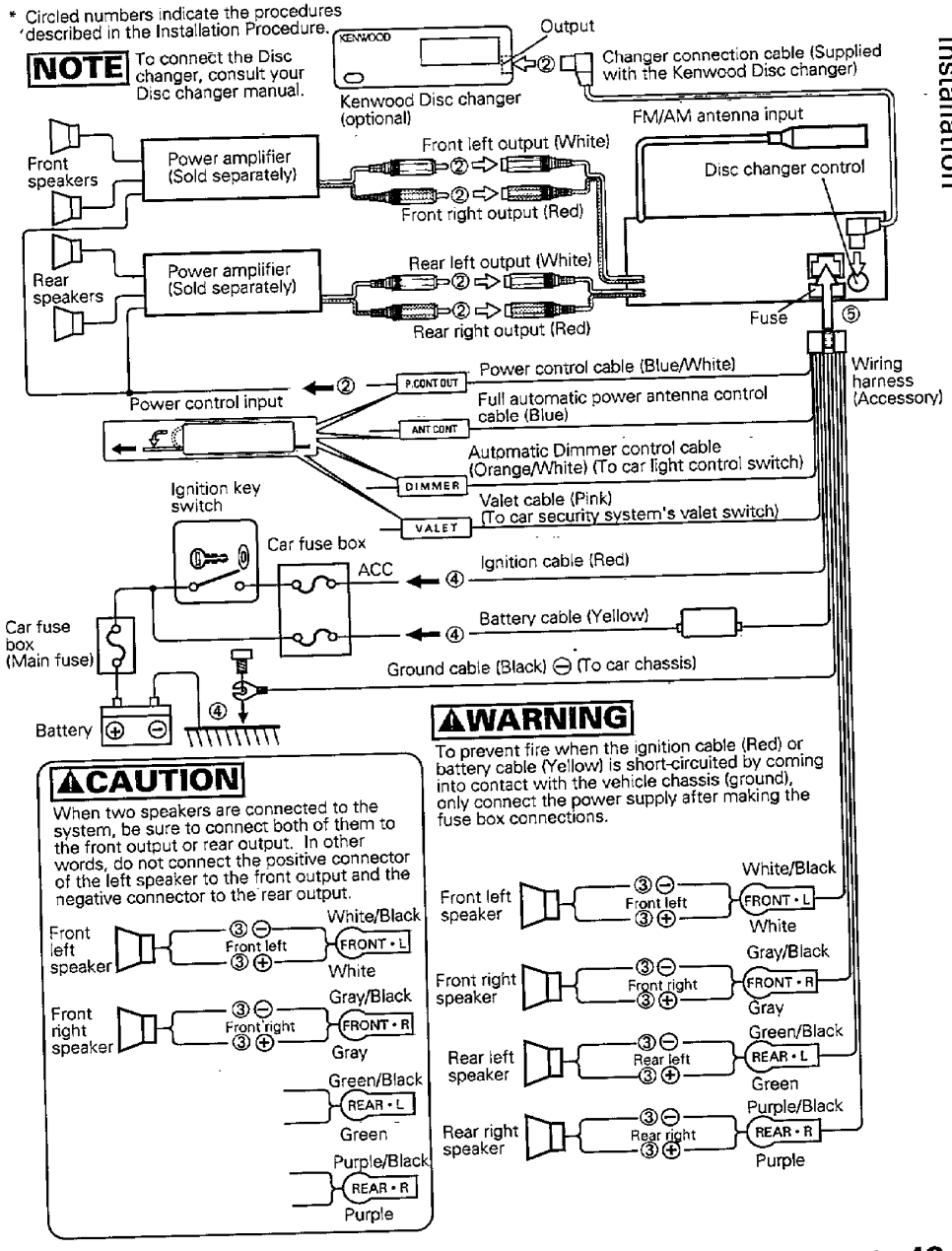
Installation procedure

1. Remove the ignition key and disconnect the negative (-) terminal of the battery to prevent short circuits.
2. Connect the input and output cables of the units.
3. Connect the speaker cables of the wiring harness.
4. Connect the ground cable, battery cable, and ignition cable of the wiring harness in the order listed.
5. Connect the wiring harness connectors to the unit.
6. Install the unit in the car.
7. Connect the negative (-) terminal of the battery.
8. Push the projection at the lower left side of the guide frame and press the Reset button.

⚠CAUTION

- If the car ignition does not have an ACC position, the ignition cable must be connected to a power supply source that can be turned on and off with the ignition key. If the ignition cable, like the battery cable, is connected to a power supply that always provides voltage, the battery may go flat.
- If the console has a lid, the unit must be installed so that the shutter does not touch the lid when it opens and closes.
- If the fuse blows, check cables for shorts, then replace the fuse with one of the same rating.
- Check that no unconnected cables or connectors are touching the car body. Do not remove caps from unconnected cables or connectors to prevent short circuits.
- Connect the speaker cables to appropriate speaker connectors separately. Sharing the negative cable of the speaker or grounding speaker cables to the metal body of the car can cause this unit to fail.
- After installation, check that the brake lamps, winkers, and wipers work properly.
- Some CD auto-changers require a conversion cord for connection. See the "Safety precautions" for details.
- Insulate unconnected ends of cords with vinyl tape or similar.
- Do not press the shutter during installation. This may cause deformation, resulting in unit failure. When installing the unit in the mounting sleeve, push the guide frame.

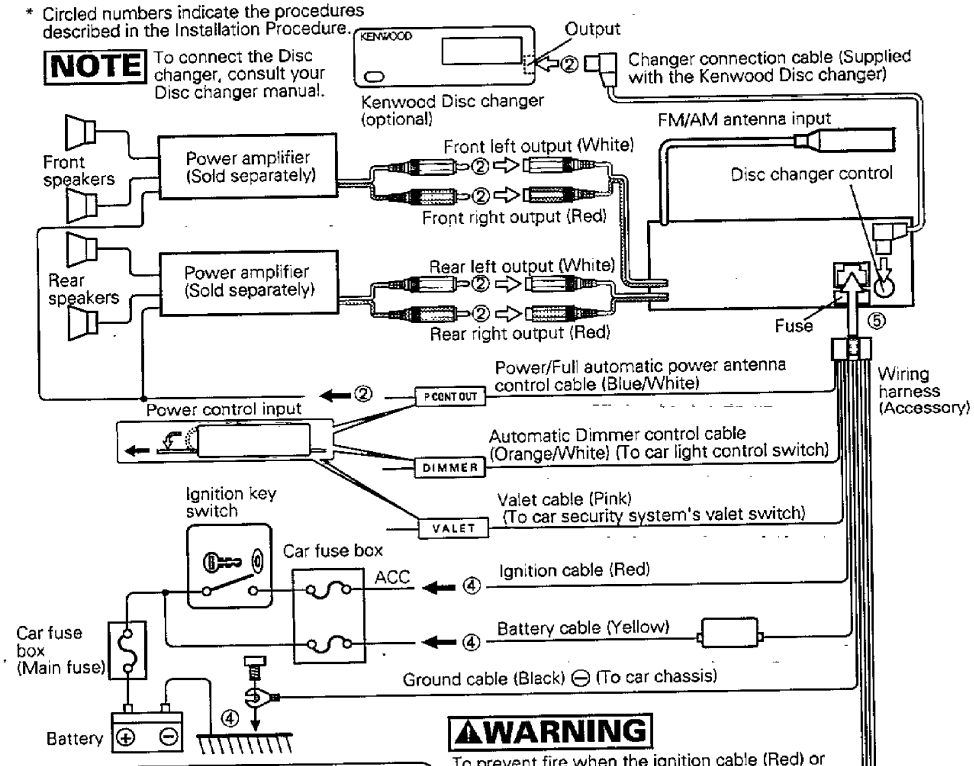
Connections (KRC-901)


* Circled numbers indicate the procedures described in the Installation Procedure.
NOTE
To connect the Disc changer, consult your Disc changer manual.
KENWOOD
Output
Changer connection cable (Supplied with the Kenwood Disc changer)
Kenwood Disc changer (optional)
FM/AM antenna input
Front speakers
Power amplifier (Sold separately)
Front left output (White)
Front right output (Red)
Disc changer control
Rear speakers
Power amplifier (Sold separately)
Rear left output (White)
Rear right output (Red)
Fuse
Wiring harness (Accessory)
Power control input
P.CONT OUT
Power control cable (Blue/White)
Full automatic power antenna control cable (Blue)
ANT CONT
Automatic Dimmer control cable (Orange/White) (To car light control switch)
DIMMER
Valet cable (Pink) (To car security system's valet switch)
VALET
Ignition key switch
Car fuse box
ACC
Ignition cable (Red)
Battery cable (Yellow)
Car fuse box (Main fuse)
Ground cable (Black) ⊖ (To car chassis)
Battery
⚠CAUTION
When two speakers are connected to the system, be sure to connect both of them to the front output or rear output. In other words, do not connect the positive connector of the left speaker to the front output and the negative connector to the rear output.
Front left speaker
Front left
White/Black
FRONT • L
White
Front right speaker
Front right
Gray/Black
FRONT • R
Gray
Rear left speaker
Rear left
Green/Black
REAR • L
Green
Rear right speaker
Rear right
Purple/Black
REAR • R
Purple
⚠WARNING
To prevent fire when the ignition cable (Red) or battery cable (Yellow) is short-circuited by coming into contact with the vehicle chassis (ground), only connect the power supply after making the fuse box connections.

Connections (KRC-801)

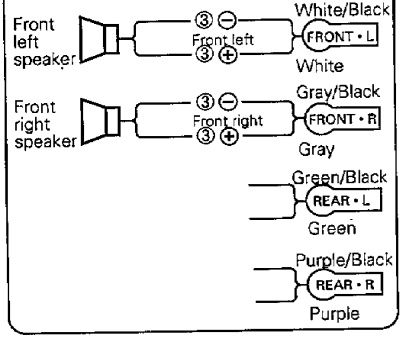
* Circled numbers indicate the procedures described in the Installation Procedure.

NOTE To connect the Disc changer, consult your Disc changer manual.



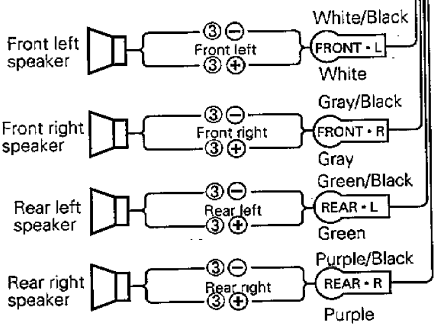
⚠CAUTION

When two speakers are connected to the system, be sure to connect both of them to the front output or rear output. In other words, do not connect the positive connector of the left speaker to the front output and the negative connector to the rear output.

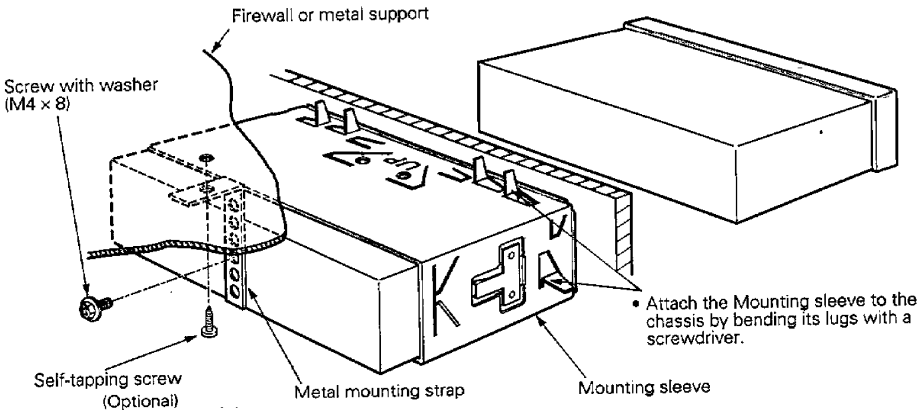


⚠WARNING

To prevent fire when the ignition cable (Red) or battery cable (Yellow) is short-circuited by coming into contact with the vehicle chassis (ground), only connect the power supply after making the fuse box connections.



Installation


Firewall or metal support
Screw with washer (M4 × 8)
• Attach the Mounting sleeve to the chassis by bending its lugs with a screwdriver.
Self-tapping screw (Optional)
Metal mounting strap
Mounting sleeve

⚠CAUTION

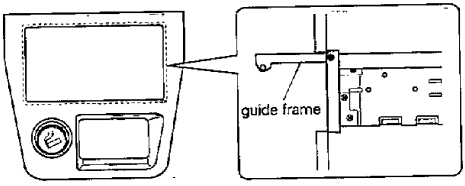
Install the Mounting sleeve with the letters "UP" facing upward. If it is installed with the letters facing downward, the unit cannot be removed with the Removal tool.

NOTE

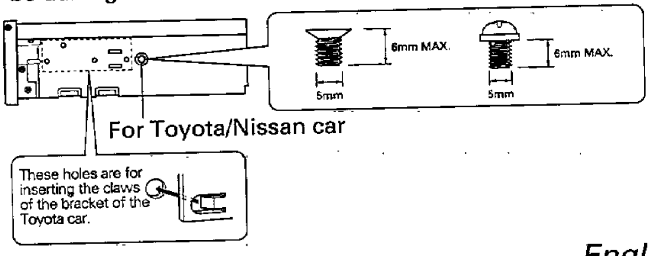
Install the unit securely. If the unit is unstable, it may malfunction, causing sound skipping.

To install in the Japanese car

1. Cut off the circumference of the dashboard panel slot to prevent the guide frame from touching the dashboard panel and obstructing the shutter opening and closing.



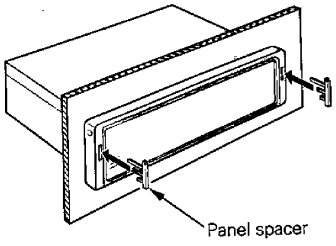
2. Fix the car bracket to the unit with the supplied Machine screws (M5 × 6). If screws other than the supplied ones are used, internal components of the unit may be damaged.



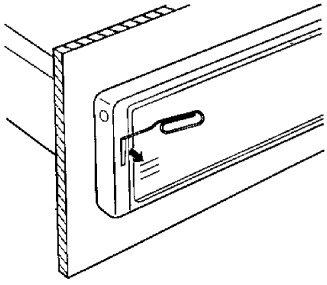
Installation

To install the panel spacers.

1. Insert the panel spacers into the removal tool-use slots.

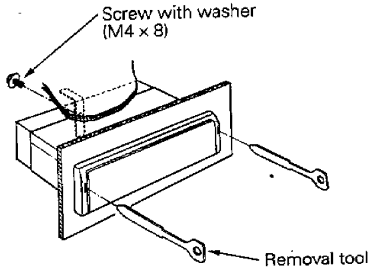


2. To remove the panel spacers, pry out the top of the spacer with a fine-pointed tool and pull it out.

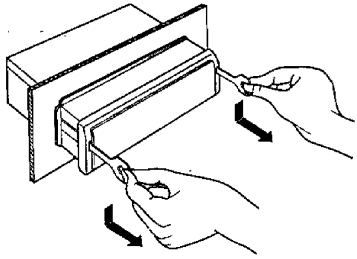


To remove the unit.

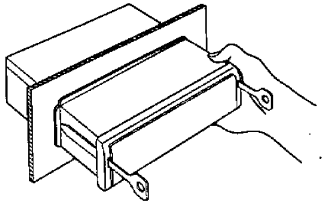
1. Remove the Screws with washer (M4 × 8) holding on the back panel.
2. Insert the removal tools deep into the slots of the unit.



3. Push the tools down and pull them toward you until the set is drawn out halfway.



4. Take the set out by hand, being careful not to drop it.



Troubleshooting guide

Often, what appears to be a malfunction is due to user error. Before calling for service please consult the following table.

Symptom	Cause	Remedy
The power is not turned on.	The fuse blows.	Check cables for shorts, then replace the fuse with one of with the same rating.
No sound or sound is low.	The volume level is minimum.	Raise the volume level.
	The fader or balance is set to one side.	Adjust the fader and balance.
	The input/output cable or wiring harness is connected incorrectly.	Connect the input/output cable or wiring harness correctly. See "Connections" (Page 49,50).
	The cassette tape is faulty.	Use another cassette.
The unit does not work properly when a button is pressed.	The microcomputer malfunctions.	Press the Reset button on the front panel.
Sound quality is poor. (Sound distortion)	The volume level is too high.	Use the appropriate volume level.
	The tape head is dirty.	Clean the head. See "Cleaning the tape head" (Page 4).
	A speaker cable is pressed by a screw in the car.	Check the speaker cabling.
	A speaker cable is shared.	Connect the speaker output connectors to the separate speaker connectors.
A cassette cannot be inserted.	The cassette is deformed.	Use another cassette.
	The cassette has been inserted incorrectly.	Insert the cassette with the tape aperture on the right.
Poor radio reception.	The car antenna is not extended.	Extend the antenna.
	The antenna control cable is not connected.	Connect the cable correctly. See "Connections (Page 49,50)"
Tape mode is not selected.	No cassette is inserted.	Insert a cassette into the unit.
When the ignition key switch is set to OFF, the memory contents disappear.	The battery cable is not connected correctly.	Connect the cable correctly. See "Connections (Page 49,50)".
The shutter does not open.	The ambient temperature is too low.	Warm up your car.

Troubleshooting guide

Disc changer section

Symptom	Cause	Remedy
Disc changer mode cannot be selected.	Disc changer input is not connected to the unit.	Connect the Disc changer input to the unit.
Disc play does not start.	Power button is not turned ON.	Turn the power button ON, press the SOURCE button, and select the Disc changer mode.
The specified disc is not played; a different disc is played instead.	The specified disc is very dirty.	Check and, if possible, clean the disc.
	The disc is loaded upside down.	Eject the disc magazine and insert the disc correctly.
	Two discs are inserted in a slot.	Eject the disc magazine and insert the discs correctly.
	The number of the slot into which the disc is inserted is different from the number of the specified disc.	Eject the disc magazine and check the number of the specified disc.
	The disc is severely damaged.	Use another disc.
Sound skips due to vibration.	Something is touching the Disc changer.	Keep it away from the Disc changer.
	The disc is dirty or damaged.	If sound skips at the same part, the disc is faulty. Check and, if possible, clean the disc.
Sound quality is poor.	The recording of the disc is poor.	Try playing another disc. If the sound is good, the fault was with the original disc.
	The disc is dirty or damaged.	Check and, if possible, clean the disc.
No sound is heard even though the information concerning the Disc changer is displayed.	Volume is set to minimum level.	Raise the volume level.
	The microcomputer does not function correctly.	Press the Reset button on this unit.
	The system is not connected properly.	Connect the system properly. See "Connections" (Page 49,50).
The specified track is not played.	The player is set to RANDOM PLAY/MAGAZINE RANDOM PLAY.	Turn off RANDOM PLAY/MAGAZINE RANDOM PLAY.

In some cases, you may see one of the following error messages on your unit's display

EJECT: No disc magazine in changer. Disc magazine is not inserted properly.
⇨Insert the disc magazine properly.

E-02: No disc in disc magazine
⇨Load a disc in the disc magazine.

E-04: Disc is too dirty. The disc is upside down. The disc is damaged.
⇨Clean the disc and insert it correctly.

E-10: No data is recorded on the MD.
⇨The player plays the next disc automatically.

E-11: No track is recorded on the MD.
⇨The player plays the next disc automatically.

E-99: Mechanism malfunction.
⇨Press the Reset button. If the "E-99" message does not disappear, contact local service centre.

E-0D: When the temperature exceeds 60°C, a protection circuit will stop all operations. This message will then be displayed.
⇨Let the place where the changer is located cool down. As soon as it has cooled, the changer starts playing.

Specifications

Specifications subject to change without notice.

FM tuner section

Frequency range (200 kHz space)	87.9 MHz – 107.9 MHz
(50 kHz space)	87.5 MHz – 108.0 MHz
Usable sensitivity (S/N: 30 dB)	9.3 dBf (0.8 µV/75 ohms)
Quieting sensitivity (S/N: 50 dB)	15.2 dBf (1.6 µV/75 ohms)
Frequency response (±3.0 dB)	30 Hz – 15 kHz
Signal to Noise ratio	73 dB
Selectivity	100 dB
Capture ratio	1.5 dB
Image response ratio	70 dB
IF response ratio	120 dB
Stereo separation (1 kHz)	40 dB

AM tuner section

Frequency range (10 kHz space)	530 kHz – 1700 kHz
(9 kHz space)	531 kHz – 1611 kHz
Usable sensitivity	28 dB (30 µV)

Cassette deck section

Tape speed	4.76 cm/sec.
Wow & Flutter (WRMS)	0.08 %
Fast winding time (C-60)	100 sec.
Frequency response (120 µs)	30 Hz – 18 kHz (±3 dB)
(70 µs)	30 Hz – 20 kHz (±3 dB)
Stereo separation (1 kHz)	43 dB
Signal to Noise ratio (Dolby B/C NR OFF)	58 dB
(Dolby B NR ON)	67 dB
(Dolby C NR ON: KRC-901 only)	73 dB

Audio section

Maximum output power	25 W X 4
Output power (10% THD, 1 KHz, 4 ohms)	20 W X 4
(1% THD, 30 Hz – 20 KHz, 4 ohms)	15 W X 4
Tone action	Bass: 100 Hz ±10 dB Treble: 10 kHz ±10 dB
Preout level / Load	1500 mV / 10 kohms

General

Operating voltage	14.4 V (11 – 16 V allowable)
Current consumption	6.9 A at Rated power
Installation size (W × H × D)	182 × 53 × 162 mm 7-3/16 × 2-1/16 × 6-3/8 in.
Weight	2.2 kg (4.8 LBs)

KENWOOD